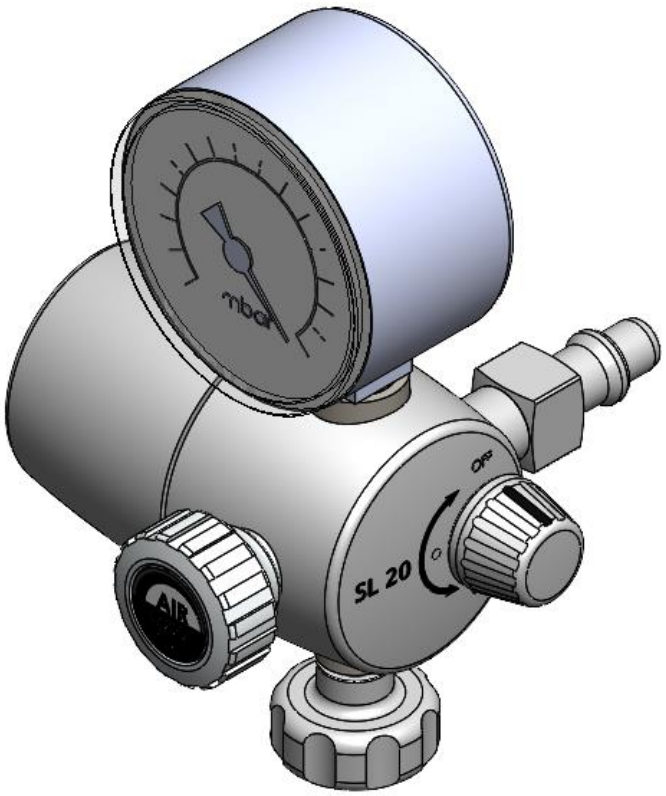
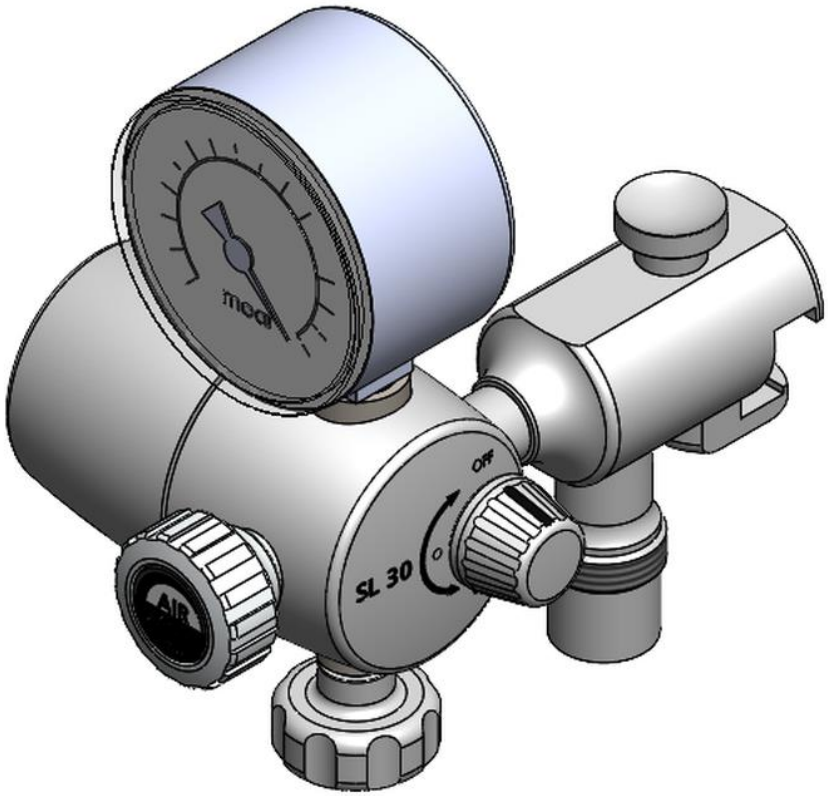


Compressed air ejector SL20 (6600206)



Compressed air ejector SL30 (6600217)

Please note!!!
The information and technical details mentioned in this documentation reflect the status at the time of printing.
Depending on the state of design and development, there may be differences between the illustrations in the instructions for use and the product´s actual appearance. This does not affect the accuracy of the information, instructions, and the operating procedures described.

The product may only be used by people who are familiar with the medical device's basic functions. The instructions for use are intended for medical and specialized technical personnel.
Serious incidents related to the product must be reported to the manufacturer and the competent authority of the Member State where the user is established

Table of contents

1. Introduction....2
2. Intended purpose....3
3. Variants....3
4. Overview....3
5. Handling....4
5.1 Connection....4
5.2 Function test....4
5.3 Operation....4
5.3.1 Interruption of operations....4
5.3.2 End of operation....4
5.4.1 Possible combinations with other devices....5
6. Technical Data....6
7. Cleaning....6
7.1 Disinfection....6
8. Maintenance....7
8.1 Inspection....7
8.2 Spare parts....7
8.3 Repair....7
9. Accessories....7
10. Manufacturer....8

1. Introduction

Dear customer,

Thank you for choosing a product from Heyer Aerotech GmbH!

Please read these instructions for use carefully before using the product!

These instructions for use apply to our product:

Compressed air ejector SL20 & SL30 *(in all variants)*

The following information will help you to quickly familiarise yourself with our product, its functions and its operation.

Our product has been manufactured in accordance with all currently valid and applicable norms, standards and guidelines.

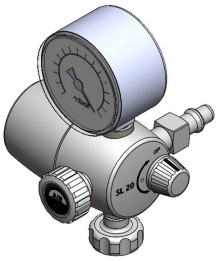
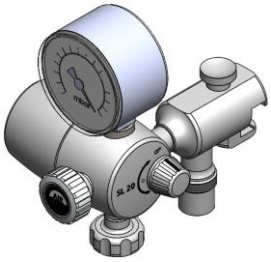
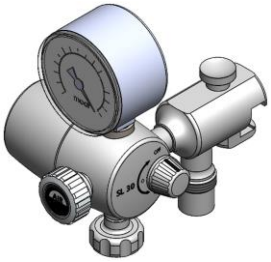
IMPORTANT NOTE!
- **The warranty does not cover damage or malfunction caused by improper handling, transporting, storing, or use.!**
- **The vacuum regulation valve may only be operated by qualified medical personnel with appropriate instruction/training.**

NOTE!!
- **Do not bring fittings into contact with oil, grease or flammable liquids**

2. Intended purpose

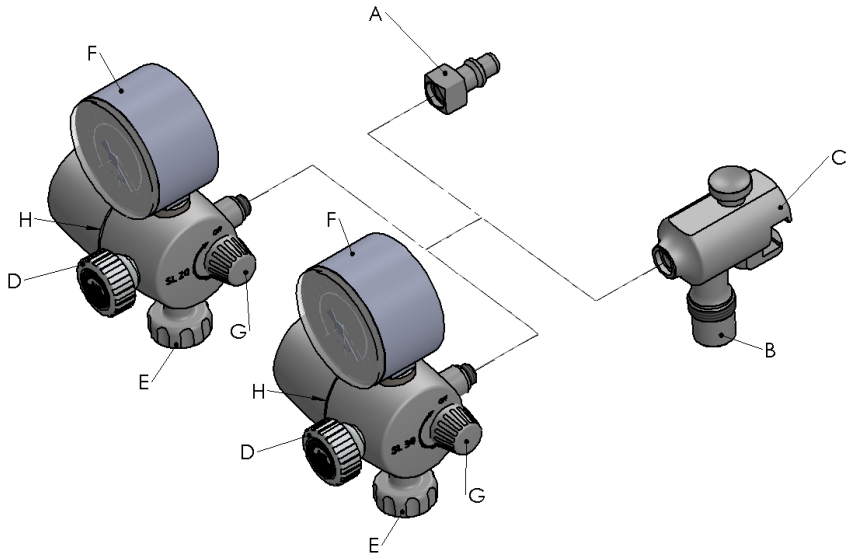
The pressure source-operated vacuum regulator (compressed air ejector) is used to regulate the vacuum.

3. Variants

SL20 direct *1	SL30 direct *1	SL20 rail *2	SL30 rail *2
			
6600206	6600207	6600216	6600217

*1 Supplied with a DIN plug nipple / other standards available on request
*2 Required accessories: "Connection hose" (see table under point 10 of these instructions for use

4. Overview



Position	Description
A	Plug-in nipple
B	NIST- Connection
C	Rail clamp
D	Regulating knob
E	Outlet connection 9/16“ UNF
F	Vacuum indicator
G	optional ON-OFF switch (quick stop valvel)
H	Air outlet

5. Handling

5.1 Connection

Compressed air ejector:

- Set the optional ON/OFF switch (G) to the OFF position.
- Couple compressed air ejector (direct) with plug nipple (A) into medical gas sampling point

OR

- Connect compressed air ejector (rail) to the connection hose*.
- Attach compressed air ejector (rail) to standard rail with rail clamp (C)
- Connect the connection hose to the medical gas tapping point

* Connection hose for the compressed air ejector (rail) is not included in the scope of delivery

NOTE:
Always remove or insert the pressure gauge while rotating it to avoid damaging the sealing rings

5.2 Function test

NOTE:
A functional test must be carried out before each commissioning and after each reprocessing!
The annular gap between the two halves of the housing serves as an air outlet. Never cover it!!

- Close the knob of the control unit (D) completely by turning it clockwise.
- Turn the ON/OFF switch (G) to the ON position. The operating noise of the ejector is caused by the ejector principle.
- With the suction connection closed, a vacuum of 7.5 kPa (± 2.5 kPa) is now present.
- Turn the rotary knob of the regulating unit anti-clockwise as far as it will go; a vacuum (F) of 82.5 kPa (± 7.5 kPa) is now present.

5.3 Operation

NOTE:
Fluctuations in the supply network and ambient conditions can affect the vacuum and flow..
A vertical operating position (pressure gauge at the top) must be maintained!
It is possible to turn the vaccum indicator towards the user for better readability..
Keep operating forces of the control knobs low.
Observe the operating instructions for downstream devices!
The compressed air ejector has no overflow protection!
Suitable protective devices must be used for operation.Geräte-Eingang dicht halten und das gewünschte Vakuum (D) einstellen.

5.3.1 Interruption of operations

- Suction can be interrupted without changing the set vacuum value using the ON/OFF switch (G) on the side.

5.3.2 End of operation

- Close the regulating valve knob (D) and turn the ON/OFF switch (optional) to the OFF position.

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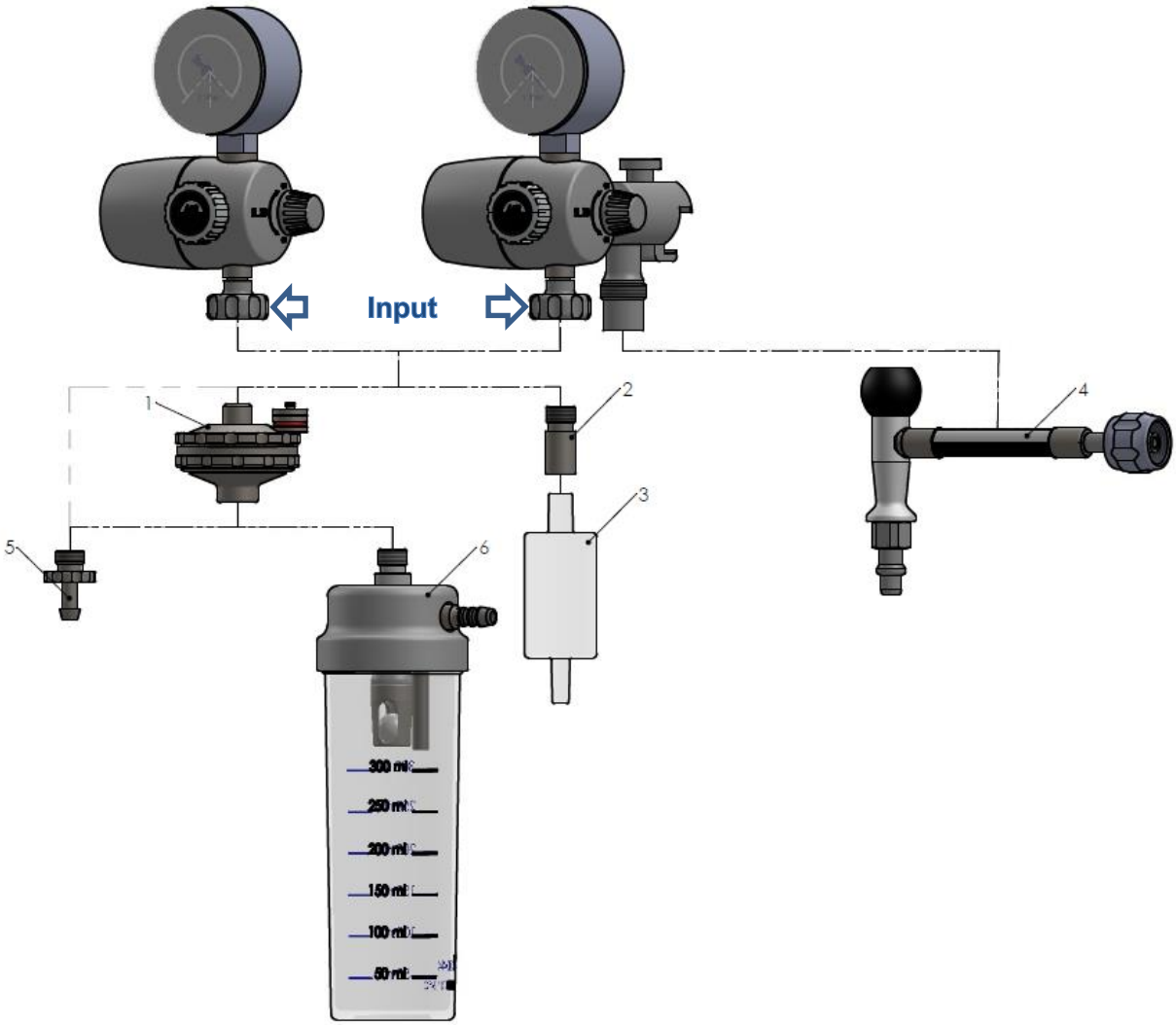
NOTE:
Attention! Closing the regulating valve alone does not switch off the air ejector; a vacuum of approx. 7.5 kPa (+- 2.5 kPa) always remains.

- The compressed air ejector can then be disconnected..

5.4.1 Possible combinations with other devices

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1) Bacteria filter housing autoclavable (reusable filter system)
2) Adapter for Vac-Gard on connection device
3) Vac-Gard overflow filter (disposable filter system, VAC-Gard must be discarded if liquid is leaked or discolouration occurs. Replace VAC-Gard every 30 days or according to hospital policy.)
4) The connection hose is a necessary accessory for rail appliances.
5) Hose connector with 9/16" external thread
6) Template container 0.3 litre



NOTE:
Check that the accessories are securely attached!

Assignment: For part numbers see accessories table on page 7.
All hose outlets shown are suitable for 6mm ID hose.

6. Technical Data

Technische Daten	
Gas type	Medical compressed air (Air)
Operating pressure	4.5 bar ± 0.5 bar
Connection type	Standardised plug connections according to DIN 13260-2, or NIST connection for rail devices Other standards on request,
Outlet	9/16" UNF internal thread nut
Rail cross-section for rail variant	25mm x 10mm (on request also 25mm x 8mm to 50mm x 10mm)
Maximum vacuum	82,5 kPa +- 7,5 kPa
Maximum volume flow	SL20 : 20L/Min +-10% SL30 : 30 L/Min +-10%
Vacuum indicator	Double scale 0- -100 kPa and 0- -760 mmHg (accuracy class 2.5)
Maximum noise level according to DIN EN ISO 10079-4	Maximum 50 dB(A)
Maximum gas consumption	SL20 : 40L/Min SL30 : 60 L/Min
Transport and storage conditions	Temperature: -20°C to +60°C Air pressure: 620hPa to 1060hPa Relative humidity: 15% to 90% non-condensing
Operating conditions	Temperature: 0°C to +40°C Air pressure: 800hPa to 1020hPa Relative humidity: 15% to 90% non-condensing
Safety devices	Standard plug protected against gas types or NIST connector protected against gas types. Pressure relief valves
Materials	Aluminium, stainless steel, brass, silicone; NBR
Classification	IIa
GMDN-Code	47367

7. Cleaning

One of the following procedures must be carried out before the compressed air ejector is used for the first time and whenever necessary from a clinical and hygienic point of view. For cleaning and disinfection, use only agents that do not attack the materials used (stainless steel, anodised aluminium, brass).

- - Remove contamination immediately. Use a cloth moistened with disinfectant.
- - Remove any disinfectant residue at the end of the contact time.
- - Inspect products for visible contamination. If necessary, repeat the above steps.
  Check product for visible damage and replace if necessary..

NOTE:
Observe the hygiene regulations of the hospital/operator!
The ingress of liquids can impair the function of the vacuum regulating valve!
Liquids must not be allowed to enter the device!

7.1 Disinfection

We recommend surface disinfectant cleaners or rapid disinfectants for medical devices from Dr Weigert's neoform MED range or other suitable agents from the current list of the VAH (Association for Applied Hygiene)

8. Maintenance

The implementation of maintenance measures depends on the type of use, the conditions of use and the intensity of use. The maintenance measures must be specified by the user.

NOTE:
If foreign bodies are sucked in, we recommend replacing the unit..

8.1 Inspection

The compressed air ejector must be visually inspected and functionally tested at regular intervals. During the visual inspection, the correct zero position of the pressure gauge and all other parts must be checked for damage.

NOTE:
We recommend a full service every 5 years.
Our customer service team will be happy to assist you..

8.2 Spare parts

Position	Art. No.	Description
1	0282865	Manometer 0 - -100kPa mit Schiebeadapter
2	0493175	O-Ring für Schiebeadapter (1 Stück)

8.3 Repair

NOTE:
Repairs should only be carried out by qualified, authorised personnel.
Our customer service team will be happy to help!

9. Accessories

Position	Art. No.	Description
1	0331020	Bacteria filter case autoclavable
	0331030	Spare parts bacteria filter - Membrane filter set (packaging unit of 10)
2	00002829	Adapter for Vac-Gard to connection device
3	00002837	Overflow filter Vac-Gard
4	6600117	Connection hose Air ISO 32 plug DIN 13260-2 screw connection NIST length 1.5 m
5	6230139	Hose nozzle with 9/16" external thread
6	6600275	Safety template 0.3 litre
7	5562970	Hose holder
8	5562972	Hose holder for rail 110x34
9	5562973	Hose holder for rail 2-fold
	0342950	Silicone hose 6 x 2

Plug versions (e.g. other standards, short or straight version) and customised hose lengths for the connection hoses are available on request.

10. Manufacturer

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